### 2021 NWCG Standards for Aerial Ignition, PMS 501, Summary of Changes

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| **02 Aerial Ignition Position Qualifications** | • Updated all hyperlinks for the Federal Wildland Fire Qualifications Supplement.  
• Removed recommendation that courses be documented on the Interagency Aviation Training website.  
• Added DOI agency specific training consist of A-310 CRM (Crew Resource Management).  
• Added USFS agency specific training consist of S-270 Basic Air Operations and CRM 7 Skill training (recommended previously: qualified or previously qualified as HECM).  
• Changed all references of IHOG to NSHO (NWCG Standards for Helicopter Operations).  
• Changed all references of IAIG/SAI to NSAI (NWCG Standards for Aerial Ignition).  
• Updated pilot aerial ignition mission prerequisites. |
| **03 Plastic Sphere Dispenser Operations** | • Removed all references to 40 B: C rated fire extinguisher. Added NSHO reference, Chapter 9 for fire extinguisher requirements.  
• Clarified PSD operator position. Added: Having both feet out the door at the same time is prohibited. |
| **Continuing 03 Plastic Sphere Dispenser Operations** | • Reworked all references to fire shelter location. Replaced with: Fire shelters for each occupant must be secured in the cabin of the aircraft and in a singular identified location.  
• Added language regarding pre-mission requirements, such as PASP, environmental concerns, weather, fire behavior, aircraft limitation, weight, and balance calculations.  
• Update hyperlink for Premo Mark III.  
• Added clarification on terminology and difference between “fall arrest” and “fall restraint.”  
• Added clarifying language to differentiate between PSD and Raindance procedures.  
• Added emergency procedures for Raindance system.  
• Added section for Slung Plastic Sphere Dispensers – Sling Dragon. Section includes description and dispenser function, safety considerations, qualifications and personnel responsibilities, and procedures. |
| **04 Helitorch Operations** | • Removed all references to 40 B: C rated fire extinguisher. Added NSHO reference, Chapter 9 for fire extinguisher requirements.  
• Reworked all references to fire shelter location for clarification. Replaced with: Fire shelters for each occupant must be secured in the cabin of the aircraft and in a singular identified location. |
| **05 Unmanned Aircraft Systems Aerial Ignition (UASAI)** | • Added new chapter for UASAI.  
• Added UAS Aerial Ignition approval process.  
• Added hyperlink for Interagency Aerial Fire Unmanned Aircraft System, subcommittee.  
• Added hyperlink for PMS 515: NWCG Standards for Fire Unmanned Aircraft Systems Operation. |
| **Appendix A: Plastic Sphere Dispenser Operations** | • Minor Edits. |
| **Appendix B: Helitorch Operations** | • Minor Edits. |